ELSEVIER

Hearing Research 85 (1995) 223–224

HEARING RESEARCH

Author Index

Adams, J.C., see Lopez, C.A. (85) 210
Alain, C., see Woods, D.L. (85) 69

Bobbin, R.P., see Kujawa, S.G. (85) 142

Campbell, J.B., see Hallworth, R. (85) 115
Covarrubias, D., see Woods, D.L. (85) 69

Dai, H., Nguyen, Q.T. and Green, D.M.
A two-filter model for frequency discrimination (85) 109
Davis, R.L., see Lopez, C.A. (85) 210
Denhardt, D.T., see Lopez, C.A. (85) 210

Fallon, M., see Kujawa, S.G. (85) 142
Frisina, R.D., Zettel, M.L., Kelley, P.E. and Walton, J.P.
Distribution of calbindin D-28k immunoreactivity in the cochlear nucleus of the young adult chinchilla (85) 53

Gerull, G., see Mrowinski, D. (85) 95
Green, D.M., see Dai, H. (85) 109

Hallworth, R., Wiederhold, M.L., Campbell, J.B. and Steyger, P.S.
Atomic force microscope observations of otoconia in the newt (85) 115
Hemilä, S., Nummela, S. and Reuter, T.
What middle ear parameters tell about impedance matching and high frequency hearing (85) 31

Irvine, D.R.F., Park, V.N. and Mattingley, J.B.
Responses of neurons in the inferior colliculus of the rat to interaural time and intensity differences in transient stimuli: Implications for the latency hypothesis (85) 127
Iurato, S., see Luciano, L. (85) 199

Jap, P.H.K., see Peters, T.A. (85) 169
Jen, P.H.-S., see Wu, M.I. (85) 155

Kanno, H., see Rybak, L.P. (85) 122
Kelley, P.E., see Frisina, R.D. (85) 53
King, C., McGee, T., Rubel, E.W., Nicol, T. and Kraus, N.
Acoustic features and acoustic change are represented by different central pathways (85) 45
Kitano, I., Nario, K., Mori, N. and Matsunaga, T.
The effect of protein kinase C stimulator and inhibitor on cochlear potentials in the guinea pig (85) 11
Kraus, N., see King, C. (85) 45
Kuijpers, W., see Peters, T.A. (85) 169
Kujawa, S.G., Fallon, M. and Bobbin, R.P.
Time-varying alterations in the f_2–f_1 DPOAE response to continuous primary stimulation. I: Response characterization and contribution of the olivocochlear efferents (85) 142
Kurokawa, T. and Saito, H.
Retrograde axonal transport of different fluorescent tracers from the neocortex to the suprageniculate nucleus in the rat (85) 103

Loehlin, J.C., see McFadden, D. (85) 181
Lopez, C.A., Olson, E.S., Adams, J.C., Mou, K., Denhardt, D.T. and Davis, R.L.
Osteopontin expression detected in adult cochleæ and inner ear fluids (85) 210
Luciano, L., Reiss, G., Iurato, S. and Reale, E.
The junctions of the spindle-shaped cells of the stria vascularis: a link that completes the barrier between perilymph and endolymph (85) 199

Matsunaga, T., see Kitano, I. (85) 11
Mattingley, J.B., see Irvine, D.R.F. (85) 127
McFadden, D. and Loehlin, J.C.
On the heritability of spontaneous otoacoustic emissions: A twins study (85) 181
McGee, T., see King, C. (85) 45
Miller, A.L., see Pfingst, B.E. (85) 76
Mori, N., see Kitano, I. (85) 11
Morris, C., see Rybak, L.P. (85) 122
Morris, D.J., see Pfingst, B.E. (85) 76
Mou, K., see Lopez, C.A. (85) 210
Mrowinski, D., Gerull, G., Nubel, K. and Scholz, G.
Masking and pitch shift of tone bursts and clicks by low-frequency tones (85) 95
Munyer, P.D. and Schulte, B.A.
Developmental expression of proteoglycans in the tectorial and basilar membrane of the gerbil cochlea (85) 85

Nario, K., see Kitano, I. (85) 11
Nguyen, Q.T., see Dai, H. (85) 109
Nicol, T., see King, C. (85) 45
Nubel, K., see Mrowinski, D. (85) 95
Nummela, S.
Scaling of the mammalian middle ear (85) 18
Nummela, S., see Hemilä, S. (85) 31

Olson, E.S., see Lopez, C.A. (85) 210

Park, V.N., see Irvine, D.R.F. (85) 127
Peters, T.A., Kuijpers, W., Tonnaer, E.L.G.M., Van Muijen, G.N.P. and Jap, P.H.K.
Distribution and features of melanocytes during inner ear development in pigmented and albino rats (85) 169
Pfingst, B.E., Morris, D.J. and Miller, A.L.
Effects of electrode configuration on threshold functions for electrical stimulation of the cochlea (85) 76

Reale, E., see Luciano, L. (85) 199
Reiss, G., see Luciano, L. (85) 199
Reuter, T., see Hemilä, S. (85) 31
Rubel, E.W., see King, C. (85) 45
Rybak, L.P., Whitworth, C., Morris, C., Scott, V. and Kanno, H.
Cochlear effects of indacrinone are not altered by penicillin (85) 122

Saito, H., see Kurokawa, T. (85) 103
Scholz, G., see Mrowinski, D. (85) 95
Schulte, B.A., see Munyer, P.D. (85) 85
Scott, V., see Rybak, L.P. (85) 122
Steyger, P.S., see Hallworth, R. (85) 115

Tonnaer, E.L.G.M., see Peters, T.A. (85) 169

Van Muijen, G.N.P., see Peters, T.A. (85) 169

Walton, J.P., see Frisina, R.D. (85) 53
Whitworth, C., see Rybak, L.P. (85) 122
Wiederhold, M.L., see Hallworth, R. (85) 115
Woods, D.L., Alain, C., Covarrubias, D. and Zaidel, O.
Middle latency auditory evoked potentials to tones of different frequency (85) 69
Wu, M.I. and Jen, P.H.-S.
Responses of pontine neurons of the big brown bat, *Eptesicus fuscus*, to temporally patterned sound pulses (85) 155

Zaidel, O., see Woods, D.L. (85) 69
Zettel, M.L., see Frisina, R.D. (85) 53
Zhang, M. and Zwislocki, J.J.
OHC response recruitment and its correlation with loudness recruitment (85) 1
Zwislocki, J.J., see Zhang, M. (85) 1

ELSEVIER

Hearing Research 85 (1995) 225–228

HEARING RESEARCH

Subject Index

Active feedback
Outer hair cells; Response recruitment; Noise exposure (Zhang, M. (85) 1)

Albino
Melanocytes; Development; Rat; Inner ear; Pigmented (Peters, T.A. (85) 169)

Allometry
Isometry; Middle ear ossicles; Tympanic membrane; Functional anatomy; Mammals (Nummela, S. (85) 18)

Atomic force microscope
Otoconia; Biomineralization (Hallworth, R. (85) 115)

Attention
Auditory; Cortex; Evoked potentials; Distribution; Tonotopy; Thalamus; Frequency; Dichotic; Latency (Woods, D.L. (85) 69)

Auditory
Cortex; Evoked potentials; Distribution; Tonotopy; Thalamus; Attention; Frequency; Dichotic; Latency (Woods, D.L. (85) 69)

Auditory cortex
Motor cortex; Supragenicular nucleus; Double labeling method; Fluorescent tracers; Rat (Kurokawa, T. (85) 103)

Auditory evoked potentials
Interaural phase difference; Binaural processing; Mismatch negativity; Primary vs. non-primary pathways (King, C. (85) 45)

Auditory filter
Frequency discrimination; Spectral-shape discrimination (Dai, H. (85) 109)

Auditory prosthesis
Cochlear implant; Electrical stimulation; Electrode configuration; Nonhuman primates; Psychophysics (Pfingst, B.E. (85) 76)

Auditory System
Hearing; Immunocytochemistry; Cochlear Nucleus; Calbindin; Chinchilla (Frisina, R.D. (85) 53)

Basilar membrane
Tectorial membrane; Cochlear development; Proteoglycans; Gerbil (Munyer, P.D. (85) 85)

Bats
Pontine neurons; Pulse repetition rate; Pulse duration (Wu, M.I. (85) 155)

Binaural processing
Interaural phase difference; Auditory evoked potentials; Mismatch negativity; Primary vs. non-primary pathways (King, C. (85) 45)
Inferior colliculus; Latency; Interaural intensity difference; Interaural time difference; Excitatory – inhibitory neurons (Irvine, D.R.F. (85) 127)

Biomineralization
Otoconia; Atomic force microscope (Hallworth, R. (85) 115)

Calbindin
Hearing; Immunocytochemistry; Cochlear Nucleus; Auditory System; Chinchilla (Frisina, R.D. (85) 53)

Cell junctions
Intrastrial compartment; Filipin; Cholesterol; Freeze-fracture; Scanning electron microscopy (Luciano, L. (85) 199)

Chinchilla
Hearing; Immunocytochemistry; Cochlear Nucleus; Calbindin; Auditory System (Frisina, R.D. (85) 53)

Cholesterol
Intrastrial compartment; Cell junctions; Filipin; Freeze-fracture; Scanning electron microscopy (Luciano, L. (85) 199)

Choroid plexus
Inner ear; In situ hybridization; Immunohistochemistry; Western blot (Lopez, C.A. (85) 210)

Cochlear acoustic impedance
Isometry; Ossicle inertia; Transformer ratio; Mammals (Hemilä, S. (85) 31)

Cochlear development
Tectorial membrane; Basilar membrane; Proteoglycans; Gerbil (Munyer, P.D. (85) 85)

Cochlear implant
Auditory prosthesis; Electrical stimulation; Electrode configuration; Nonhuman primates; Psychophysics (Pfingst, B.E. (85) 76)

Cochlear Nucleus
Hearing; Immunocytochemistry; Calbindin; Auditory System; Chinchilla (Frisina, R.D. (85) 53)

Compound action potential
Loop diuretics; Endocochlear potential; Penicillin ototoxicity (Rybak, L.P. (85) 122)

Cortex
Auditory; Evoked potentials; Distribution; Tonotopy; Thalamus; Attention; Frequency; Dichotic; Latency (Woods, D.L. (85) 69)

Cubic nonlinearity
Olivocochlear efferents; Otoacoustic emissions; Outer hair cells; Quadratic nonlinearity (Kujawa, S.G. (85) 142)

Development
Melanocytes; Rat; Inner ear; Albino; Pigmented (Peters, T.A. (85) 169)

Dichotic
Auditory; Cortex; Evoked potentials; Distribution; Tonotopy; Thalamus; Attention; Frequency; Latency (Woods, D.L. (85) 69)

Distribution
Auditory; Cortex; Evoked potentials; Tonotopy; Thalamus; Attention; Frequency; Dichotic; Latency (Woods, D.L. (85) 69)

Double labeling method
Motor cortex; Auditory cortex; Supragenicular nucleus; Fluorescent tracers; Rat (Kurokawa, T. (85) 103)

Ear differences
Spontaneous otoacoustic emissions; Heritability; Prenatal auditory effects; Hearing sensitivity; Sex differences; Twins (McFadden, D. (85) 181)

Electrical stimulation
Auditory prosthesis; Cochlear implant; Electrode configuration; Nonhuman primates; Psychophysics (Pfingst, B.E. (85) 76)

Electrode configuration
Auditory prosthesis; Cochlear implant; Electrical stimulation; Nonhuman primates; Psychophysics (Pfingst, B.E. (85) 76)

Endocochlear potential
Loop diuretics; Compound action potential; Penicillin ototoxicity (Rybak, L.P. (85) 122)

Endolymphatic hydrops
Low tone masking; pitch shift (Mrowinski, D. (85) 95)

Evoked potentials
Auditory; Cortex; Distribution; Tonotopy; Thalamus; Attention; Frequency; Dichotic; Latency (Woods, D.L. (85) 69)

Excitatory – inhibitory neurons
Inferior colliculus; Latency; Interaural intensity difference; Interaural time difference; Binaural processing (Irvine, D.R.F. (85) 127)

Filipin
Intrastrial compartment; Cell junctions; Cholesterol; Freeze-fracture; Scanning electron microscopy (Luciano, L. (85) 199)

Fluorescent tracers
Motor cortex; Auditory cortex; Supragenicular nucleus; Double labeling method; Rat (Kurokawa, T. (85) 103)

Freeze-fracture
Intrastrial compartment; Cell junctions; Filipin; Cholesterol; Scanning electron microscopy (Luciano, L. (85) 199)

Frequency
Auditory; Cortex; Evoked potentials; Distribution; Tonotopy; Thalamus; Attention; Dichotic; Latency (Woods, D.L. (85) 69)

Frequency discrimination
Spectral-shape discrimination; Auditory filter (Dai, H. (85) 109)

Functional anatomy
Allometry; Isometry; Middle ear ossicles; Tympanic membrane; Mammals (Nummela, S. (85) 18)

Gerbil
Tectorial membrane; Basilar membrane; Cochlear development; Proteoglycans (Munyer, P.D. (85) 85)

Hearing
Immunocytochemistry; Cochlear Nucleus; Calbindin; Auditory System; Chinchilla (Frisina, R.D. (85) 53)

Hearing sensitivity
Spontaneous otoacoustic emissions; Heritability; Prenatal auditory effects; Sex differences; Ear differences; Twins (McFadden, D. (85) 181)

Heritability
Spontaneous otoacoustic emissions; Prenatal auditory effects; Hearing sensitivity; Sex differences; Ear differences; Twins (McFadden, D. (85) 181)

Immunocytochemistry
Hearing; Cochlear Nucleus; Calbindin; Auditory System; Chinchilla (Frisina, R.D. (85) 53)

Immunohistochemistry
Inner ear; Choroid plexus; In situ hybridization; Western blot (Lopez, C.A. (85) 210)

Inferior colliculus
Latency; Interaural intensity difference; Interaural time difference; Binaural processing; Excitatory – inhibitory neurons (Irvine, D.R.F. (85) 127)

Inner ear
Melanocytes; Development; Rat; Albino; Pigmented (Peters, T.A. (85) 169)

Choroid plexus; In situ hybridization; Immunohistochemistry; Western blot (Lopez, C.A. (85) 210)

Inner hair cells
Protein kinase C; Sound-evoked cochlear potentials; Neurotransmitter; Neuromodulation (Kitano, I. (85) 11)

In situ hybridization
Inner ear; Choroid plexus; Immunohistochemistry; Western blot (Lopez, C.A. (85) 210)

Interaural intensity difference
Inferior colliculus; Latency; Interaural time difference; Binaural processing; Excitatory – inhibitory neurons (Irvine, D.R.F. (85) 127)

Interaural phase difference
Binaural processing; Auditory evoked potentials; Mismatch negativity; Primary vs. non-primary pathways (King, C. (85) 45)

Interaural time difference
Inferior colliculus; Latency; Interaural intensity difference; Binaural processing; Excitatory – inhibitory neurons (Irvine, D.R.F. (85) 127)

Intrastrial compartment
Cell junctions; Filipin; Cholesterol; Freeze-fracture; Scanning electron microscopy (Luciano, L. (85) 199)

Isometry
Allometry; Middle ear ossicles; Tympanic membrane; Functional anatomy; Mammals (Nummela, S. (85) 18)

Ossicle inertia; Transformer ratio; Cochlear acoustic impedance; Mammals (Hemilä, S. (85) 31)

Latency
Auditory; Cortex; Evoked potentials; Distribution; Tonotopy; Thalamus; Attention; Frequency; Dichotic (Woods, D.L. (85) 69)

Inferior colliculus; Interaural intensity difference; Interaural time difference; Binaural processing; Excitatory – inhibitory neurons (Irvine, D.R.F. (85) 127)

Loop diuretics
Endocochlear potential; Compound action potential; Penicillin ototoxicity (Rybak, L.P. (85) 122)

Low tone masking
pitch shift; endolymphatic hydrops (Mrowinski, D. (85) 95)

Mammals
Allometry; Isometry; Middle ear ossicles; Tympanic membrane; Functional anatomy (Nummela, S. (85) 18)

Isometry; Ossicle inertia; Transformer ratio; Cochlear acoustic impedance (Hemilä, S. (85) 31)

Melanocytes
Development; Rat; Inner ear; Albino; Pigmented (Peters, T.A. (85) 169)

Middle ear ossicles
Allometry; Isometry; Tympanic membrane; Functional anatomy; Mammals (Nummela, S. (85) 18)

Mismatch negativity
Interaural phase difference; Binaural processing; Auditory evoked potentials; Primary vs. non-primary pathways (King, C. (85) 45)

Motor cortex
Auditory cortex; Suprageniculate nucleus; Double labeling method; Fluorescent tracers; Rat (Kurokawa, T. (85) 103)

Neuromodulation
Protein kinase C; Sound-evoked cochlear potentials; Inner hair cells; Neurotransmitter (Kitano, I. (85) 11)

Neurotransmitter
Protein kinase C; Sound-evoked cochlear potentials; Inner hair cells; Neuromodulation (Kitano, I. (85) 11)

Noise exposure
Outer hair cells; Response recruitment; Active feedback (Zhang, M. (85) 1)

Nonhuman primates
Auditory prosthesis; Cochlear implant; Electrical stimulation; Electrode configuration; Psychophysics (Pfingst, B.E. (85) 76)

Olivocochlear efferents
Otoacoustic emissions; Outer hair cells; Quadratic nonlinearity; Cubic nonlinearity (Kujawa, S.G. (85) 142)

Ossicle inertia
Isometry; Transformer ratio; Cochlear acoustic impedance; Mammals (Hemilä, S. (85) 31)

Otoacoustic emissions
Olivocochlear efferents; Outer hair cells; Quadratic nonlinearity; Cubic nonlinearity (Kujawa, S.G. (85) 142)

Otoconia
Atomic force microscope; Biomineralization (Hallworth, R. (85) 115)

Outer hair cells
Response recruitment; Active feedback; Noise exposure (Zhang, M. (85) 1)

Olivocochlear efferents; Otoacoustic emissions; Quadratic nonlinearity; Cubic nonlinearity (Kujawa, S.G. (85) 142)

Penicillin ototoxicity
Loop diuretics; Endocochlear potential; Compound action potential (Rybak, L.P. (85) 122)

Pigmented
Melanocytes; Development; Rat; Inner ear; Albino (Peters, T.A. (85) 169)

Pitch shift
Low tone masking; endolymphatic hydrops (Mrowinski, D. (85) 95)

Pontine neurons
Bats; Pulse repetition rate; Pulse duration (Wu, M.I. (85) 155)

Prenatal auditory effects
Spontaneous otoacoustic emissions; Heritability; Hearing sensitivity; Sex differences; Ear differences; Twins (McFadden, D. (85) 181)

Primary vs. non-primary pathways
Interaural phase difference; Binaural processing; Auditory evoked potentials; Mismatch negativity (King, C. (85) 45)

Protein kinase C
Sound-evoked cochlear potentials; Inner hair cells; Neurotransmitter; Neuromodulation (Kitano, I. (85) 11)

Proteoglycans
Tectorial membrane; Basilar membrane; Cochlear development; Gerbil (Munyer, P.D. (85) 85)

Psychophysics
Auditory prosthesis; Cochlear implant; Electrical stimulation; Electrode configuration; Nonhuman primates (Pfingst, B.E. (85) 76)

Pulse duration
Bats; Pontine neurons; Pulse repetition rate (Wu, M.I. (85) 155)

Pulse repetition rate
Bats; Pontine neurons; Pulse duration (Wu, M.I. (85) 155)

Quadratic nonlinearity
Olivocochlear efferents; Otoacoustic emissions; Outer hair cells; Cubic nonlinearity (Kujawa, S.G. (85) 142)

Rat
Motor cortex; Auditory cortex; Suprageniculate nucleus; Double labeling method; Fluorescent tracers (Kurokawa, T. (85) 103)

Melanocytes; Development; Inner ear; Albino; Pigmented (Peters, T.A. (85) 169)

Response recruitment
Outer hair cells; Active feedback; Noise exposure (Zhang, M. (85) 1)

Scanning electron microscopy
Intrastrial compartment; Cell junctions; Filipin; Cholesterol; Freeze-fracture (Luciano, L. (85) 199)

Sex differences
Spontaneous otoacoustic emissions; Heritability; Prenatal auditory effects; Hearing sensitivity; Ear differences; Twins (McFadden, D. (85) 181)

Sound-evoked cochlear potentials
Protein kinase C; Inner hair cells; Neurotransmitter; Neuromodulation (Kitano, I. (85) 11)

Spectral-shape discrimination
Frequency discrimination; Auditory filter (Dai, H. (85) 109)

Spontaneous otoacoustic emissions
Heritability; Prenatal auditory effects; Hearing sensitivity; Sex differences; Ear differences; Twins (McFadden, D. (85) 181)

Suprageniculate nucleus
Motor cortex; Auditory cortex; Double labeling method; Fluorescent tracers; Rat (Kurokawa, T. (85) 103)

Tectorial membrane
Basilar membrane; Cochlear development; Proteoglycans; Gerbil (Munyer, P.D. (85) 85)

Thalamus
Auditory; Cortex; Evoked potentials; Distribution; Tonotopy; Attention; Frequency; Dichotic; Latency (Woods, D.L. (85) 69)

Tonotopy
Auditory; Cortex; Evoked potentials; Distribution; Thalamus; Attention; Frequency; Dichotic; Latency (Woods, D.L. (85) 69)

Transformer ratio
Isometry; Ossicle inertia; Cochlear acoustic impedance; Mammals (Hemilä, S. (85) 31)

Twins
Spontaneous otoacoustic emissions; Heritability; Prenatal auditory effects; Hearing sensitivity; Sex differences; Ear differences (McFadden, D. (85) 181)

Tympanic membrane
Allometry; Isometry; Middle ear ossicles; Functional anatomy; Mammals (Nummela, S. (85) 18)

Western blot
Inner ear; Choroid plexus; In situ hybridization; Immunohistochemistry (Lopez, C.A. (85) 210)